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10/777,199	02/13/2004	Toshihiro Kamo	100021-00142	5775

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EXAMINER
LE, JESSICA N

ART UNIT	PAPER NUMBER
2161	

NOTIFICATION DATE	DELIVERY MODE
10/03/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>05 July 2007</u>.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-7</u> is/are pending in the application.

     4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-7</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

     a)☐ All   b)☐ Some *   c)☐ None of:

        1.☐ Certified copies of the priority documents have been received.

        2.☐ Certified copies of the priority documents have been received in Application No. _____.

        3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

     * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
     Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
     Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

1.   This communication is responsive to the amendment filed on *07/05/2007*.

2.   **Claims 1-7** are presented for examination.

3.   This action has been made **FINAL**.

Response to Amendment

4.   Referring to the Specification objection for the abstract of the disclosure,

Applicant's amendment has been acknowledged. Consequently, the objection has

been withdrawn.

5.   However, Applicant's amendment has not overcome the rejection listed below.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6.   **Claims 1-7 are rejected under 35 U.S.C. 102(e) as being anticipated by**

Dagelet, JR., US-PG Publication Number 2003/0236755 (hereinafter Dagelet).

Regarding claim 1, Dagelet teaches a POS system including a server and a client (see Figs. 1 & 2), comprising:

a first master file formed in a relational data base format and used during an online session between the server and the client (Fig. 2 – wherein Database Server 2 is existing a first master file in RDB format to be used during an online session between the server and the client (e.g., POS Terminal 9) linked through Host Server 1, Web Server 3, Application Server 4; and Para. [0013]: *"A process... the application server temporarily decrypting and converting the request into a correct database format for storage into a database..."*); and

a second master file formed in a text format, having a capacity smaller than the first master file, and used during an offline session between the server and the client (Para. [0051]: *"...the database is replicated and backed up for reference and contingency measures. The replication process is handled by the Database Server 2 then migrated to the Web Server 3 as <u>secondary backup</u>. Thus, <u>if the Host Server 1 fails, the Web Server 3 may be used for the continuance of the system operations.</u>"*; and Para. [0102]: *"...the packet formats include the category, brand, model of the product and the type of sales transactions."*);

the second master file being down loaded from the server to the client at a time when it is necessary for the client (Fig. 2 – POS Terminal 9 downloaded parameters from controller which is linked to Host Sever 1, Database Server 2, Web Server 3, Application Server 4):

the client (e.g., POS Terminal 9) comprising:

a first referring means referring the first master file (Fig. 2 – wherein Database Server 2 is existing a first master file in RDB format to be used during an online session between the server and the client (e.g., POS Terminal 9) linked through Host Server 1, Web Server 3, Application Server 4; and Para. [0013]: *"A process... the application server temporarily decrypting and converting the request into a correct database format for storage into a database..."*); and

a second referring means referring the second master file (Para. [0051]: "...*the*

database is replicated and backed up for reference and contingency measures. The replication process is handled

by the Database Server 2 then migrated to the Web Server 3 as secondary backup. Thus, if the Host Server 1 fails,

the Web Server 3 may be used for the continuance of the system operations.": wherein "the database is replicated

and backed up" is illustrated as a second master file to be used in the POS system);

the referring means being switched in such a way that, during an online session,

the first master file being referred to by the first referring means and during an offline

session, the second master file being referred to by the second referring means (Para.

[0051]: "...*the database is replicated and backed up for reference and contingency measures. The replication*

process is handled by the Database Server 2 then migrated to the Web Server 3 as secondary backup. Thus, if the

Host Server 1 fails, the Web Server 3 may be used for the continuance of the system operations.").

Regarding claim 2, Dagelet teaches the client is a thin client without a hard disk

(Fig. 1A-POS Terminals 9; and Paras. [0047], [0077], & [0104]).

Regarding claim 3, Dagelet teaches the time when it is necessary for the client

is a time at which the client starts service (Para. [0053]: wherein "...*time of transaction*..." is

illustrated as a time at which the client starts service).

Regarding claim 4, Dagelet teaches the capacity of the second master file is

reduced by making a plurality of items in the first master file one item in the second

master file (Para. [0104]).

Regarding claim 5, Dagelet teaches the capacity of the second master file is reduced by deleting, from the first master file, items which are not used, during the offline session, to form the second master file (Para. [0051]: "...*the database is replicated and backed up for reference and contingency measures. The replication process is handled by the Database Server 2 then migrated to the Web Server 3 as secondary backup. Thus, if the Host Server 1 fails, the Web Server 3 may be used for the continuance of the system operations.*").

Regarding claim 6, Dagelet teaches the client comprises a compact flash memory for storing the second master file (Paras. [0067] & [0111]).

Regarding claim 7, Dagelet teaches the client comprises a flash disk memory for storing the second master file (Paras. [0067] & [0111]).

Response to Arguments

7.   Applicant's arguments filed on 07/05/2007 with respect to **claims 1-7** have been fully considered but they are not persuasive. The examiner respectfully traverses applicant's arguments.

Applicant explained the limitation of claim 1 and then compared to Dagelet's invention: "Dagelet, on the other hand, relates to a POS system for providing prepaid services, not POS system for providing online/offline transactions" (*Remarks, page 4*). On contrary, the limitation of claim 1 recites the *online/offline file transfers from* **a first master file** (*during an online session) to* **the second master file** (*during an offline session*) between server (*e.g., database server*) and the client (*e.g., thin client or POS terminal*) to continue/complete the

transaction. Also, Dagelet discloses that his/her invention is also POS system for

providing online/offline transactions in Abstract as: "*Additionally, the system offers monitoring of*

store inventory and recording of sales transaction" and in paragraph [0014], lines 1-2: "*The basis*

processes done by the EPOS system here are sales, settlement and parameter downloading". Therefore,

Dagelet's invention is not only related to a POS system for providing prepaid services,

but also is provided the sales transactions. Also, Dagelet discloses at paragraph

[0012], lines 16-19 & 23-25: "*an E-POS backend system within the application server for maintaining a*

database used in transactions operated by the E-POS system or the database server... To ensure continuance of

system operations, the database is replicated and backed up by the system" wherein is technically

illustrated as the database is generating a second file for backup/recovery when the

system is down/offline. This second file will replace to the first master during online

when this first master is failed/offline to continue/complete the transaction. Dagelet is

also disclosed this procedure in paragraph [0051], lines 10-14: "*On a periodic frequency,*

usually minutes at a time, the database is replicated and backed up for reference and contingency measures. The

replication process is handled by the Database Server 2 then migrated to the Web Server 3 as secondary backup"

wherein technically the replication process is interpreted as a first master file from

Database Server 2 (*form in a relational database format* (see, paragraph [0013], lines 10-11: "*and*

converting the request into a correct database format for storage into a database")) which is generating

secondary backup file as a second master file to be used during offline. Thus, Dagelet

discloses or suggests that there are a first master file in the database server which is

used during and online session and a second master file (e.g., backup file) which is

used during an offline session between server (*e.g., Database Server 2*) and the client (*e.g.,*

POS terminal) (Fig. 1, elements 2, 3, and 9). In addition, Dagelet technically discloses the second

master file (e.g., backup file) in text format as paragraph [0053], lines 7-9: "*It is the Application Server 4 that temporarily executes the process of decrypting and converting the key parameters in text format...*" and as paragraph [0102]: "*...the matching of packet formats between the POS terminal 9 and the Host Server 1. The packet formats include the category, brand, model of the product and the type of sales transaction*" wherein validate packet formats is existed a text format to be used. Thus, the rejection is maintained.

Conclusion

8.   **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

9.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jessica N. Le whose telephone number is (571) 270-1009. The examiner can normally be reached on M-F 6:30 am - 3:00 pm.
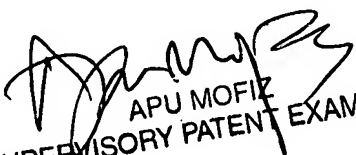
If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Apu M. Mofiz can be reached on (571) 272-4080. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

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Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

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system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jessica Le
09/17/2007
/JL/

APU MOFIZ
SUPERVISORY PATENT EXAMINER